

## A YL's Point of View

Time once again for the Alaska State Golf Tournament and a chance for hams to work RTTY. One YL refers to her husband's teletype machine as "the old dinosaur". Certainly the ASR's and KSR's I've seen give one the impression of obsolete equipment, but, miraculously enough, they do work.

J.D. Delancy K1ZAT took the golf tournament project in hand and made sure everything ran smoothly. I had my first shift Friday evening, and it took me nearly the whole evening to get used to the RTTY's quirks. Typing skills are an advantage, but the keyboard is not the same as your average typewriter. That and trying to remember to switch from receive to send and when to cut a tape kept me busy all evening. I think I've got it now, and I have another shift on Sunday to prove it.

The teletypes are in the Elmendorf and Moose Run club houses. Scores fly back and forth, courtesy of ham radio; golfers and officials come and ask questions about the tournament and about what we're doing. We sure have some dedicated golfers up here. Friday evening it was raining cats and dogs. Apparently there's no such thing as bad weather on a golf course: if it rains, it's just an illusion. I don't know about that, but some of those golfers got pretty wet from their illusions. Still, if they didn't stick it out, we wouldn't have anything to do, right?

73 - m

Kirsten KL7PO

# ANCHORAGE ARC

-----"THE VOICE OF THE ANCHORAGE AMATEUR RADIO CLUB"-----  
P.O. BOX 1987 ANCHORAGE, ALASKA 99510-1987 TELEPHONE 345-0719

AUGUST 1982

TELEPHONE 345-0719

NOTHINGNESS.....RAMBLINGS BY AL7DL "YE ED"

This month has found "Ye Ed" very busy, leaving not much time for the formulation of an editorial opinion. In fact, this month I have decided to let my old "gray matter" take a break and more or less let the newsletter put itself together. I was more than happy to find that I had a lot more material than I had room for this month. If you sent me an article and didn't find it in this issue never fear, it will make it in next month (budget you know). I really have to take this time to thank the many contributers to the newsletter who have sent me material. It comes in from everywhere; mail, phone, word of mouth, and I even got an article over the teletype during the golf tourney from none other than K1ZAT. I think that at least a few people read my first editorial and sent me things. As I said then: It's not my newsletter, it's the members newsletter.....Yes you out there make the newsletter what it is, not me.....I only put it together into a coherant(????) form. I would also like to introduce my new "right hand man" Ken, WB7SFO. Without his help the newsletter wouldn't have been as good as it was last month. He can do wonders with that word processor and his help is greatly appreciated. Most of the articles that come to me untyped go to Ken for formating and then go directly into the "ARC". Anyway, thanks to Ken and to all of you who help to make the "ARC" the great newsletter that it is.

Comments From the President ...

The moving of the 90/30 repeater has finally begun. By the next newsletter I expect it will be done. On July 17 electrical service and the antenna mast were installed. Thanks to KL7SK, KL7SL, KL7FB, WL7AQF, KL7VG, and KL7JJH for their help. K7GUH built the mast, twenty feet of three inch schedule eighty pipe bolted through a twelve inch concrete wall. The Stationmaster antenna will be braced at thirteen feet above the base. The final work party to move the repeater should occur in early August. Let me know if you'd like to help.

Now, how about a 220 m.c. repeater? We have about six members active on 220 simplex. The board is recommending that we budget \$1500 for next year for a repeater system. Here's a chance to open up a new area of activity. With all the fuss over using our frequency allocations it might be well to generate some use. 220 is popular in more populated areas; should we promote it here? Consider it, your judgement will be solicited.

Another matter for your consideration, a meeting place for our monthly meetings. Seems that beginning in January the auditorium in the Consortium Library will be used for evening classes. The former Room 123 has been reduced in size and will not accommodate our volume. We will need some help in finding a suitable meeting place. If you know of a place which might be appropriate, please contact a board member.

A sepcial thanks to KL7FS, KL7SA, and KL7SK for serving as our audit committee. This is one of the little known but very important jobs performed by member volunteers which makes our club so successful. Every year the records and procedures of the club are reviewed as the new officers begin their service. It is essential that this be done by members not belonging to the board in order to gain the greatest objectivity. It also offers a chance to learn a lot about the club in a short time. Maybe next year you would like to participate on this activity. If so, talk to a board member.

Another special thanks to Art Taylor for providing a central location for storing the club's operating equipment for quick access in case of an emergency. The club antenna trailer, station, and related equipment will now be co-located at and readily accessible should they be needed suddenly.

The flea market should be better than ever this year. The computer raffle is our biggest raffle yet and we are planning on a huge supply of teletype and terminal equipment. Start thinking now about joining the growing group of tty users. Maybe helping with the golf tournament or Mothers Day got you interested. It's also a good way to ease into computer assisted operations. Keep September 18 and 19 open and be prepared to help with setup and cleanup. The activity is always beneficial to the participants as well as the club.

We're back in the Bingo business again. This time in cooperation with Greater Anchorage and Fur Rendezvous. You might enjoy an evening of bingo at the Rhondy Palace. Also, look forward to meeting Sandy Hauser, a new club member and prospective ham, who has been instrumental in helping setting up this program.

Another word about meetings. Last month's meeting was very pleasant. We didn't have any handhelds breaking squelch, no autopatches in the meeting room, and gave good attention to the guest speakers. That's the way it should be and I'm sure everyone appreciates the courtesy. Consider your guests, especially when they're not hams and are not familiar with all the "in" jokes.

Please mark your calendar now for September 10. The regular meeting night would fall on the Labor Day weekend so the board has decided to recommend the tenth for our September meeting.

Our best wishes to Rick and Cynthia Henry who are moving to Washington state. We'll miss having them near-by but I suspect we'll be able to find them on h.f.

That's all for now, folks. Propogate purely and help a ham (or other person). See you on August 6 at the club meeting.

## FOR HAMS CONSIDERING CAREERS IN ELECTRONICS

As we all know, the hobby of Amatuer Radio encompasses people from all walks of life. Many of our ranks are electronics technicians who, through their training and work experiences, become involved in amatuer radio. Likewise, a few our world wide collective become more and more curious about new horizans that extend beyond the limits of our hobby. After 12 years of experience assisting students in career and training planning, I'd like to share some information with you about stepping deeper into the world of electronics.

Making that step from avocation to vocation, from hobby to livlihood, is a step that requires considerable planning and information. There are some basic truths I would like to emphasize to potential electronics technicians. STEP ONE: See if a training school can provide you the marketable skills that you desire to use as a Tech. STEP TWO: Determine the amount of basic skills you need PRIOR to beginning your studies. STEP THREE: Plan carefully about how much TIME and MONEY requriements.

I will try to provide just an eye opener for you regarding these three steps when and if you are considering the Electronics Technology program at Anchorage Community College. ANSWER STEP ONE: The curriculum at ACC is designed to provide the student who successfully completes the four semesters marketable entry level skills. Depending on the state of the employment market at graduation, we have students employed before graduation, or times when students need to hustle a job. This summer, students need to be aggressive when trying to get that first job. Over the past ten years, our faculty report approximately 80+% of the graduates are employed. The course provides the following areas of instruction, if you need more information be sure and pick up a catalog at the ACC Counseling Center. Electronic Calculations I

DC Physics  
Intro. to Computer Electronics  
Lab 1  
Electornics Calculations II  
AC Physics  
Computer Systems I  
Lab II  
Telecommunications  
Audio  
Applied ICs  
Computer Systems II  
Transmitters/Receivers  
Adv. Digital/Analog  
Computer Systems

Still interested????? Next thing to consider is your "readiness" to start a college curriculum. Remember, the college is ready to start with you at what ever level you are at. Math level recommended for Electronics is one SOLID year of high school algebra. To do well, I recommend two years. You can pick up the math you need form our Math department. How about you reading skills??? I don't mean liesure reading---I mean TECHNICAL reading. Remember how well could comprehend the theory for novice, general, advanced, and extra? Was it a case of having to read it over, 5times, 10 times? If your reading skills are weak, we have the right classes for you.

If you're not sure just what skill levels you are at, call me and I will be glad to help you find out.

Students can enroll in beginning classes each September and January. The TIME investment you can expect is 4 semesters of college work. If you begin in September you will graduate in the May of the next year. You can expect 22.5 hours of classes a week spread over 5 days a week. Some times classes are all in the morning or all afternoon. You will spend a minimum of 4½ hours a day per day and probably 3-6 hours(depending on your skills) of homework each day. It is REALLY a LOT OF WORK.

Expenses will run you about \$450--500 a semester for books, supplies, tuition and tools. You're look at about \$2000 for your education. If you think you need more information, call me at 263-1570 and I'll be glad to help you.

Best 73s  
Mike KL7X

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#### HIDDEN WORDS.....EQUIPMENT

D R K C D Y R S U M  
P B E K O D I S B O  
I C N E E R E E I C  
P Z W N U A N Y W I  
O A O P Y K K C N T  
S E O I O E D T C E  
E I D W N P R B U R  
I C O P T D R I B O  
S O I T E M P O I P  
D E N T R O N X C U

#### WORDS USED:

ICOM	CUBIC
YAESU	BIRD
KENWOOD	PIPO
DENTRON	NYE
TEMPO	
DRAKE	

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#### SHORTS.....

THERE IS A NEW CLUB STARTED IN ALASKA....."THE SOUTH PENINSULA A.R.C." IT HAS A REPEATER NEAR THE ANCHOR RIVER ON 146.31 (IN) 146.91 (OUT).  
FROM ED COLE, AL7EB (EX K8MWA)

FROM THE VENERABLE KL7LO.....IF YOU ARE INTERESTED IN ORDERING A CLUB BELT BUCKLE.....CONTACT KL7LO, DAVID EPSTEIN AT 276-0787(H) OR 271-5224(W).

FROM THE WISE OLD SAGE OF ELMENDORF (K1ZAT).....HE SUGGESTS THE FOLLOWING TTY AND COMPUTER TRANSMISSIONS BE MADE ON THE FOLLOWING FREQUENCIES:

146.70 MHZ: 60 WPM BAUDOT 146.10 MHZ: 100 WPM BAUDOT

146.61 MHZ: 110 BAUD ASCII 147.36 MHZ: 300 BAUD ASCII

REASON FOR THIS BEING THAT THESE FREQUENCIES ARE EITHER UNUSED REPEATER PAIRS OR THEY ARE THE THE OPPOSITE PART OF A REPEATER PAIR THAT IS ALREADY IN USE.

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Anchorage Amateur Radio Club  
Board of Directors Meeting  
July 21, 1982

Present: President Bob McKinnie AL7AW; Vice President David Epstein KL7LO; Activities Manager Kirsten Peterson KL7PQ; Secretary Denise Slauson KL7VF; Treasurer Fred Toliver KL7HM; Past President Betty Rhodes KL7AP; Board Members April Walter AL7CV, David Cloyd KL7M, David Stevens KL7EB, Bryce Rumery AL7DL, Glenn Turner AL7DN, J. D. Delancy K1ZAT, Mark Hadley KL7HD. Absent: Trustee Bill Reiter KL7ITI; Board Members Tim Pettis KL7WE, Frank Bowlin WL7D. Also Present: Bill Balzarini KL7BB, Art Taylor KL7SK, Chuck Peters KL7PH.

The meeting was called to order at 7:06 pm.

No treasurer's report was given because the books are currently being audited. The minutes from the last board and general meetings were read, corrected and approved.

**Short Notes Department:** The speaker for the August general meeting will be Bill KL7BB. He will talk about building up code speed... We are tentatively scheduling a club picnic at Jewel Lake for August 14th... Letters of appreciation will be sent to our speakers from the July general meeting and to Bob KL7HIU for past work on the club roster... Regarding the 10 K run sponsored by the Alaska Athletics Club on July 31st, all volunteers have been assigned their checkpoints... The SPCA has requested help for a walk-a-thon to be held September 18th. We will have a speaker at the August meeting regarding this event... Regarding the Arts and Crafts Fair September 11th, we have had good response to requests for loan of equipment... J.D. took more volunteers for the golf tournament to be held July 22-25 at Elmendorf and Fort Richardson... Current club membership is approximately 345... An audit committee composed of Arthur Chase KL7FS, Rod Maney KL7SA and Art Taylor KL7SK is currently going through the club books... We may be able to get similar or better liability insurance for the club through ARRL than we currently have. Frank KL7HM will look into the matter... We will be having the general meetings at UAA through January... **Dave KL7LO moved that the general meeting be held September 10th to avoid conflict with Labor Day Weekend. The motion was seconded and passed.**

Flea Market was discussed. The list of vendors from last year has been misplaced; it should be found soon. We are trying to find a space to have the market. It was moved, seconded and passed that there will be a 50¢ admission fee at the door, and booth prices will be the same as last year: \$35 for commercial, \$10 + 10% for amateurs. Mark KL7HD is in charge of Flea Market publicity.

Sales of tickets for the computer raffle are going well. Glenn AL7DN needs the ticket money ASAP to secure delivery of the prizes on time. Also, the blue slips need to be turned in with the money to ease the bookkeeping.

We will be able to get a bingo license on a temporary basis. We will be paid \$50 for overhead expenses for each night the license is used. Accounting is taken care of for us. Also, we may be able to sell pulltabs at the flea market.

Regarding VHF, Dave KL7M reported that 90/30 may be off the air for a few days for work. Also, we have been given equipment by Motorola for Mt. Susitna which will probably be in use next year.

AL7AW read a letter from AMSAT requesting nominations for the AMSAT National Board of Directors. K1ZAT moved that we nominate Ken Greene KL7JAI for the post. The motion was seconded and passed.

Bob read a letter from Tim KL7WE regarding a number of teletypes from ALASCOM. These are available to the club to buy or help sell/dispose of. They are currently being stored near the club locker. KL7SK volunteered to help auction these off at the flea market. K1ZAT moved that we write to the appropriate person at ALASCOM and propose we handle disposal of the teletypes at the flea market. The motion was seconded and passed.

It was brought up that we need to have someplace centrally located for all of the club equipment. KL7SK volunteered space in his warehouse. It was suggested that we get a chairman for this from the general assembly. KL7M moved we gather all the equipment and move it to KL7SK's warehouse. The motion was seconded and passed.

Richard Henry AL7O is moving out of state, and a going-away party is being held Saturday the 14th of July for him at the Denny's on Dimond from 4-6 pm. KL7M will act as hospitality chairman that afternoon.

220 MHz is being used by only about 6 people. It was suggested that we expand repeater operations to 220 and that AARC back the operations. KL7LO moved that it be presented to the general membership that the board is interested in getting a 220 MHz repeater system at an approximate cost of \$1500 as a budget item for next year. The motion was seconded and passed.

Mark KL7HD has been working on the Club film. Reuben Gains will be doing the narration. Mark showed us what has been done so far on the film.

The meeting was adjourned at 9:50 pm.

Respectfully submitted,  
Denise Slauson KL7VF  
Secretary

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## HELP ! ! ! ! !

How 'bout it out there..... Anyone got some technical articles????? We are getting a little short of technical articles for the "ARC". I know that we have some real talent in the club in the various aspects of our hobby. Got some new insights into computers? Any of you new hams made an antenna that works well and cost peanuts? How about you out there that have modified something to do more than it was intended to do..... I would like to hear from you..... Come on out of the woodwork and give the "ARC" some inputs..... Remember that the newsletter is only as good as the members make it.

Mail your articles to: Bryce Rumery, AL7DL  
21-694 D Apricot St.  
Elmendorf AFB, AK 99506

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WHERE DID YOU GO AND WHAT DID YOU DO????? I'm sure that the summer travels have brought about some interesting stories about your travels and amateur radio..... Why not take the time to jot them down and send them into "YE ED" for publication. We take inputs from everyone..... If you say that you can't write send me your thoughts and I will put them into article form and publish. Wouldn't it be nice to see your name in print???????

## A SIMPLE FIX FOR ALTERNATOR WHINE

by Dave Olson, KL7K

This solution is not an original idea but it does work, and in my case quite well. It is easy to accomplish and you probably have the parts already in your junkbox.

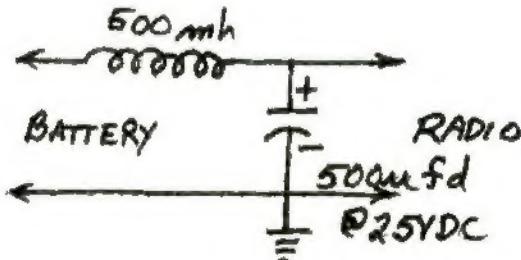
The alternator whine problem stems from the fact that an automobile alternator is in reality a 3 phase AC generator connected thru a full wave bridge rectifier. If you remember your theory you'll know that the output from such a device is pulsating DC. In this case the frequency will vary from 350Hz on up depending upon engine RPM. The only filtering that exists comes from the storage battery or your radio. Most 2 meter 10 watt wonders do not have adequate filtering to take care of this ripple and hence you hear the "whine" on your transmitted signal.

The simple solution to the problem is to add a choke input filter between the automobile electrical system and your radio to reduce the ripple to a level that no longer is audible. See the schematic below for L and C. A good filter should have lotsa L and C so that the series impedance is high and the shunt impedance is low. This sets up a voltage divider for the ripple and only a small portion of the ripple voltage appears across the radio power terminals. I have been successful using a home made choke and a 500 microfarad electrolytic capacitor rated at 25 VDC. The choke is made using a core from a filament transformer or an audio output transformer.

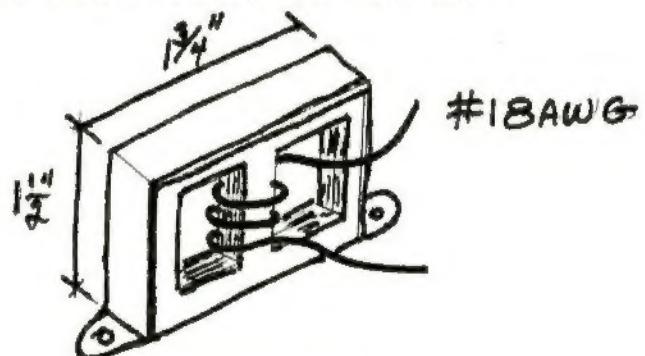
The old windings are removed by using a hacksaw blade parallel to the core and cutting thru the paper & conductors. You will need about 25 foot of #18 AWG insulated conductor. Wrap as much of the conductor around the center of the core as possible. Secure the ends of the conductor with electrical tape. Connect the capacitor observing polarity to one side of the choke.

Now install the unit close to the radio being careful to connect the radio to the capacitor side of the filter, and to get the negative side of the capacitor to a good ground connection on the vehicle chassis. The capacitor impedance is on the order of .9 an ohm so the ground needs to be good or the filter will be ineffective.

I did not measure my choke for inductance (do not have an L meter) but estimate it is on the order of 500 milli-henries. If I am correct, that is approximately 1000 ohms at 350 Hz. The filter will therefore attenuate the alternator whine by better than 60 dB.



SCHEMATIC DIAGRAM



CORE WINDING DETAIL

## **FIELD DAY RAFFLE RESULTS**

**First Prize:** FT-707 HF Transceiver, Power Supply/Speaker Antenna Tuner, CW Filter and Desk Mike.

Won by Swede Larson KL7SD  
Ticket sold by Bryce AL7DL

Second Prize: Flesher TU - 170

Won by Arlene Steward KL7HO  
Ticket sold by Arlene KL7HO

Third Prize: ICOM 2AT 2M Handheld

Won by Erv Edge AL7CN  
Ticket sold by Steve KL7JIM

Fourth Prize: ICOM 2AT 2M Handheld

Won by Don Stichick W3HLM  
Ticket sold by N. Stichick AL7DD

Fifth Prize: HC = 10 Clock

Won by Harold Farney KL7HQJ  
Ticket sold by Wilse KL7CQ

The seller's prizes for first through fifth prize tickets were, in order, \$100, \$50, \$50, \$50, and \$25. Bryce AL7DL also won \$100 for selling the most tickets in the raffle.

#### SPECIAL THANKS.....

I would like to take this time to extend thanks to Bob Page, KL7HIU for his efforts over the last few years toward keeping the roster up to date and providing labels for the club's publications. THANKS BOB for you time and effort.....

How about it out there, you amateur photographers.... "YE ED" is always looking for snaps for the "ARC". Club activities, tower raisings, public service projects, what have you..... Send 'em in and we will publish..... Make sure that you include a line or two about what it is..... We will return the photo to you after it has gone to the printer.

By now I trust that everyone has received their roster for 1982. Please keep us informed of any roster changes as they come about. "YE ED" requests that you not call me with any roster changes though..... Please let April, AL7CV know about them so she can update the club membership records and pass them on to me for publication in the "ARC". April can be reached by calling the Anchorage ARC record-a-phone at 345-0719

ପିଲ୍ ଏବଂ କାନ୍ଦିଲ୍ ଏବଂ ତରୁଳ୍ ଏବଂ କାନ୍ଦିଲ୍ ଏବଂ ତରୁଳ୍ ଏବଂ ପିଲ୍ ଏବଂ କାନ୍ଦିଲ୍ ଏବଂ ତରୁଳ୍



# AMATEUR RADIO



## TECHNICIAN, GENERAL, AND ADVANCED CLASSES

The Anchorage Community College, Eagle River extension, is offering a 3-credit course for obtaining a General or Technician Class Amateur Radio License, a 3-credit course for obtaining the Advanced Class Amateur Radio License, and a 1-credit course for learning the International Morse Code (IMC). These classes last for 15 weeks.

ET 194A FUNDAMENTALS OF AMATEUR RADIO	3 CREDITS
ET 194B INTERNATIONAL MORSE CODE	1 CREDIT
ET 293 INTERMEDIATE AMATEUR RADIO THEORY (PREREQUISITE -- ET 194A OR TECHNICIAN/GENERAL LICENSE)	3 CREDITS

LOCATION: Fort Richardson, Arcturas School

ET 194A will meet Tuesdays beginning 9/7/82, from 6:30 pm to 9:30 pm.

ET 194B will meet Wednesdays beginning 9/8/82, from 6:30 pm to 7:30 pm.

ET 293 will meet Thursdays beginning 9/9/82, from 6:30 pm to 9:30 pm.

REGISTRATION: Registration is now open. PLEASE SIGN UP EARLY if you plan to take any of the classes. For registration information, please call Tommy at Ft. Rich, phone no. 428-1228. DO NOT try to register through the ACC campus in Anchorage. Their information and schedule are not correct.

The required instructional materials are:

1. Amateur Radio Theory Course, Ameco Publishing Corporation.
2. The Radio Amateur's License Manual, by the American Radio Relay League (ARRL).
3. The ARRL Technician/General Q and A Book, ARRL.
4. Textbook for ET 293 -- to be announced.

Optional reading materials are:

1. The Radio Amateur's Handbook, ARRL.
2. A Course in Radio Fundamentals, ARRL.

For both ET 194A and ET 194B, we strongly recommend the following cassette tapes. Each set consists of two tapes, sides 1 and 2, and sides 3 and 4:

Set 1: Codemaster CM-1 (IMC up to 9 words per minute (wpm)).

Set 2: Codemaster CM-1½ (IMC up to 17 wpm).

No additional code is required for the Advanced Class License.

All of these materials can be purchased at Reliable Electronics 3306 Cope St., phone 279-5100. The books can also be purchased at Alaska Electronic Supply in Mountain View, phone 277-2142.

THE MORSE CODE REQUIREMENT IS THE BIGGEST STUMBLING BLOCK FOR MOST ASPIRING HAMS!!

It is therefore recommended that prospective students (ET 194A & 194B) buy the code tapes NOW and START LEARNING!!

The instructor for these classes will be Wilse Morgan, KL7CQ, phone 345-1061.

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Anchorage Amateur Radio Club  
General Meeting  
July 9, 1982

The meeting was called to order at 7:22 pm by our new president, Bob McKinnie AL7AW. New club officers were introduced during the general introductions.

Bob read a letter directed to Ken WB7SFO from the Special Olympics people. They appreciated AARC participation in the state games.

**Raffle Update:** AL7DN Glen described the raffle prizes, and urged people to sell tickets. He had 25 books of tickets left as of the meeting. For those people selling tickets, all checks must be made out to AARC.

With the election of David KL7LO to the office of Vice President, there occurred a vacancy in the position of 3-year Board Member. Two years were left in the term. The Board of Directors recommended David Stevens KL7EB to fill the post. It was moved, seconded and passed that he serve the remaining 2 years.

We were contacted by Linda Olson of the Alaska Athletics Club. They are sponsoring a 10 K run on July 31st and request that we provide amateurs for 8 checkpoints. KL7LO volunteered to coordinate our side of things.

The Arts Fair at Anchorage Community College will be held September 11th this year. We will have 4 base stations there for our communications activities. K1ZAT J.D. will be in charge of the HF station. Besides volunteers for base stations and "rovers", we need some equipment. See KL7LO if you can help.

**Short notes:** Recognition was given to Bob Page KL7HIU for his past work on the club roster. Results of the Field Day Raffle were read. There were 6 sellers' prizes given. We will be selling Club belt buckles; orders will be taken through the weekend of the Flea Market. Contact KL7LO for more information.

Vince WL7K, from Juneau, spoke about the Division of Disaster Emergency Services in Juneau. Equipment is in bad shape, and there is no real coordination evident. He would like Anchorage support to put pressure on public officials to provide adequate communications links through the state for emergencies.

LaJuana Streiff of Neighborhood Watch and Carroll Grant of Anchorage Police Department spoke to us about Neighborhood Watch and Operation Identification. They showed a film and answered questions. Anyone interested should contact them either at 264-6503 or 264-6504 for Neighborhood Watch or call Anchorage Police Department.

Frank WL7D talked about the next Bunny Hunt, which will be held July 18th. First prize is a 1-year membership in ARRL worth \$25.

Regarding the Golf tournament at Elmendorf and Fort Richardson, it will be held July 22-25. There will be a teletype link between the two golf courses.

The autodial numbers are operational all the time, regardless of whether the regular autopatch is up or not. The autodial numbers are the only ones needed--it isn't necessary to punch up the regular autopatch access code.

After doorprizes were given out, the meeting was adjourned at 10:22 pm.

Attendance 45

Respectfully submitted,  
Denise Slauson KL7VF  
Secretary

## IARU RADIOSPORT CHAMPIONSHIP CONTEST EXTRAVAGANZA!

The weekend of July 10 - 11 was a busy one at the Mt. Olympus QTH of **He Who Causes To Be** (Wilse Morgan, KL7CQ), as the Storied One put his license on the proverbial line and gave the International Amateur Radio Union (IARU) Radiosport Championship contest a go.

But even the Living Legend, bless'd be He, couldn't do it alone. Enter faithful members of the Living Legend Protege Corps (LLPC), a devoted cadre of Stalwart Sherpas dedicated to serve His Royal Hamliness at any time, anywhere. The following provided modulation and administrative services (i.e., operated SSB and logged/duped/QSLed) over the course of the weekend:

Roger Hansen	KL7HFQ	Brad Holifield	KL7VN
Wilse Morgan	KL7CQ	Fred Erickson	KL7VC
David "Tree" Vogel	NL7P	Frank Bowlin	WL7D
Glen Turner	AL7DN	Art Taylor	KL7SK
Harry Gilmore	KL7VB	Ellen Edge	KL7OR
Jim Steigerwald	KL7SL	Beth Assadi	KL7VD
Ken Slauson	WB7SFO	Jean Belfield	KL7VT
David Oglesby	KL7VG	David Epstein	KL7LO

It should (**must**) be noted that the entire affair could not have been accomplished without the necessary nutrition. This all-important aspect of the contest effort was ably undertaken by Betty Rhodes KL7AP, President of Betty's Catering Services, Inc. Having pounded the gavel for the last time, our illustrious Club President Emeritus concentrated her energies on maintaining a burgeoning inventory of delightful delectables which pleased the palate and assuaged the soul. I got so guilty I eventually washed some dishes!

In spite of less than ideal band conditions, we clawed our way to an unofficial point total of 140,454 (51 multipliers), including 75-meter contacts with Chile and Australia. Willie Oscar Willie! Even before this contest was over, Denali was plotting his strategy for the next big phone event (CQ World-Wide DX, October 23-24). For this one, the Living Legend proposes to go digital (use computers to log contacts), and run three (count 'em) transmitters at once! We'll need **beaucoup** (very many) operators, so if you're interested in helping out, call Wilse at 345-1061hm or 271-5317wk.

KL7LO

## ICOM M-12 MARINE HAND-HELD SUPER SPECIAL!!

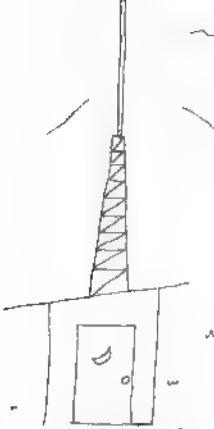
NOW YOU CAN TAKE YOUR BOAT RADIO WITH YOU WHEN YOU GO ASHORE. THE **ICOM M-12** 12-CHANNEL DIODE-MATRIX PROGRAMABLE RADIO REQUIRES NO ADDITIONAL CRYSTALS. IF YOU DON'T LIKE THE CHANNELS THAT ARE SHIPPED WITH THE RADIO, THEY CAN BE CHANGED BY CHANGING THE DIODE ALIGNMENT. AND YOU CAN USE THE STANDARD AMATEUR RADIO ACCESSORIES.

SOUTHEAST COMMUNICATIONS SPECIALIST  
P. O. BOX 1804  
JUNEAU, AK. 99802

ORIGINAL LIST 499.95

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**RICK BRUCKER KL7IDT** PROCESSED BY POSTMARK.



## THE REPEATER REPORTER

by WL7D

*Frank*

Well, a lot of things have happened since the last article was prepared for this marvelous publication of ours. Especially considering that the deadline for last month was earlier than normal, a lot of time has elapsed.

First, I guess the biggest news is the acquisition (by none other than, who else? Mr. HOS TRADER himself, KL7M) of a complete, solid state, operational, necessary, FREE, 450 MHz Motorola repeater. This was donated by Motorola to AARC to become an integral part of THE LINK. What's more it appears that THE LINK will at some future time (a year or more) be centered on Mt. Susitna. That's right, on the Sleeping Lady herself, right there on top of south central Alaska. Now anyone with any imagination at all can see that Mt. Susitna is an excellent place from which to propagate radio frequency radiation as well as receive said same radiation. This will enable the inclusion of machines in the Mat valley as well as Glenallen, Cantwell, Kenai, etc. At any rate that is still in the future, but appears to be coming about in good form. Thanks are again due Dave for his efforts on the club's behalf.

As was stated last month, this edition is to outline the present status of THE LINK. As requested, I hope you have kept last month's article for reference. The equipment at Lake Minchumina is installed and is fully operational. That was actually done about the time the newsletter hit the stands last month. The equipment at the lake has always been (and, of course, still is) linked into Fairbanks, so that part is functional.

With some concerted effort on the part of a cast of thousands on Site Summit and a Mr. Bill KL7BB Balzarini on Mt. Olympus the 90/30 system may be functional in THE LINK by the time you read this, but will probably take another month. The site for the machine on Site Summit is changing from one part of the compound to another. The new location will provide a more desirable site for RF as well as equipment, not to mention the people who will do the work in the days and months to come. Bill will be building the tone boards for the 90/30 part of the system and performing the actual mating of the equipment. He will be performing much of the work while baby sitting the love nest of Wilse and Betty high atop the commanding location known as Mt. Olympus.

That is probably enough drivel for one month.

To be continued...

73's  
WL7D  
*Frank*

## THE BUNNY HUNT

THE JULY BUNNY HUNT WAS CANCELLED DUE TO LACK OF PARTICIPATION. THERE WERE GOING TO BE ONE HUNTER AND TWO SPECTATORS. THIS IS IN SPITE OF A FIRST PRIZE WORTH \$25.00.

I'D LIKE TO HAVE A HUNT IN AUGUST, BUT I'M NOT GOING TO SET A DATE IF NO ONE IS INTERESTED. I'LL NEED FIVE HUNTERS TO MAKE IT SPORTING. THE HUNT CAN BE ON ANY DAY, AT ANY TIME THAT IS AGREED UPON. ANYONE WISHING TO HAVE A HUNT SHOULD GET IN TOUCH WITH ME AT 333-5511(HOME BEFORE 2130) OR 276-5000 (X2123) (WORK)

WL7D  
Frank

#### A FEW LINES ON THE 1982 A.A.R.C. FLEA MARKET.....

DATE: SEPTEMBER 18-19 1982

**LOCATION: TO BE ANNOUNCED**

Giant Computer Raffle Drawing at this years Flea Market.....

DOOR PRIZES.....GIANT TELETYPE EQUIPMENT SALE.....BOAT ANCHORS GALORE  
SPEAKER FOR SATURDAY EVENING DINNER/BANQUET: MARY LEWIS, W7QGP, NW DIVISION  
ARRL DIRECTOR

## CALENDAR OF EVENTS FOR AUGUST 1982

6 AUGUST: GENERAL MEMBERSHIP MEETING, UAA CONSORTIUM LIBRARY, 7:00 PM  
PROGRAM: BILL BALZARINI, KL7BB WILL SPEAK ON AN EASY WAY TO  
BUILD UP YOUR CODE SPEED.

13 AUGUST: NEWSLETTER DEADLINE

18 AUGUST: BOARD OF DIRECTORS MEETING, ALASCOM BLDG., CORNER OF NEW SEWARD  
AND 36TH ST.. 7:00PM.

19 AUGUST: CLUB SOCIAL: PICNIC FOR HAMS AND FAMILIES AT JEWEL LAKE OFF STRAWBERRY RD. POT LUCK STYLE FROM 6:30PM TILL WHENEVER... IT'S GOING TO BE SUNNY, BUT IN CASE IT GETS A LITTLE CLOUDY THERE IS SHELTER. SEE YOU THERE.....

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This newspaper printed by Clay's Quality Printing

GOLF TOURNEY 1982

The 1982 Alaska State Amateur Golf Tournament was held 22 thru 25 July 1982 at the Elmen-dorf and Ft. Richardson golf courses. This year we departed from the usual or what has been done past and made several "firsts". Instead of running the teletype link on two meters we ran it on the 220 MHz band. 220 MHz, by the way, is four megahertz wide and except for about a dozen people or so on 223.50 it "ain't" occupied. Also, instead of the usual 60 WPM teletype, we ran the link at 100 WPM on the Model 28 ASR teletype with tape capability. The following amateurs (radio types, that is) participated: KL7AP, KL7CQ, KL7IWC, AL7DL, KL7FB, KL7NL, KL7HFQ, WB4WBL, KL7VN, KL7VG, KL7LO, AL7CV, WL7D, KL7HM, KL7PQ, KL7HO, KL7IZZ, KL7VB, KL7MQ, and Cheryl Chesbro and are thanked very much for the time they contributed. Seems that everyone thinks that the Model 28s are out of date, slow, and clanky and that we should update to computer systems. Well,.....no one has come forward and offered their computer (s) for this project. So the Model 28s will probably be used again next year.

K1ZAT

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WANT ADS FOR AUGUST.....(NO SNAPPY LINES FOR THIS MONTH)

FOR SALE: CUSHCRAFT 20-3CD MONOBANDER, HYGAIN 1015A DUOBANDER; BOTH NEW  
\$ 385 COST.....WILL SELL FOR \$ 275.00  
KL7QW 745-3399 OR THE 25/85 REPEATER

FOR SALE: GREAT STARTER RIG: HEATHKIT HR-1680 RECEIVER, HX-1681 CW TRANSMITTER, POWER SUPPLY, AND SPEAKER. MAKE OFFER  
GLEN, AL7DN 243-7845

FOR SALE: HEATH STATION (COMPLETE) SB-301 HF RECEIVER, SB-401 HF SSB TRANSMITTER, SB-630 STATION CONSOLE/PHONE PATCH, SB-610 SIGNAL MONITOR, SB-600 STATION SPEAKER, MICROPHONE AND ALL CONNECTING CABLES. \$700.00

OPERATORS CONSOLE (2) SLOPE FACED RELAY RACKS WITH CUT-OUTS AND MOUNTINGS FOR HEATH STATION (ABOVE) \$125.00

RTTY DEMODULATOR, DT-600 ASSEMBLED AND TESTED WITH POWER SUPPLY \$ 125.00

RTTY (ON THE AIR) MODEL 28 KSR, DT-600 DEMOD, AK-1 AFSK GENERATOR, ALL READY TO PLUG IN AND SET ON THE AIR. THIS SET UP WORKED THE PAST SEVERAL GOLF TOURNEYS AND OTHER EVENTS.

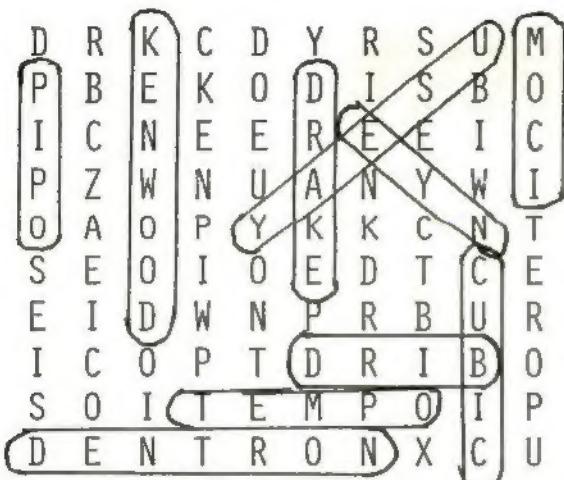
MEG, KL7FHF 267-4502(DAYS), 694-9602(EVENINGS)

FOR SALE: ATTN. TELEPHONE POLE OWNERS: TOP SECTION FOR POLE. CONSISTS OF CAP FOR POLE, WITH ROTOR (HYGAIN 400) AND 10 FEET TOP SECTION OF 25G. IT HAS BEEN DESIGNED FOR STRESS AND STOOD UP FINE IN WIND OF TWO YEARS AGO.

TOWER PARTS: HOUSE BRACKET HB 45G (LONG)  
HOUSE BRACKET HB 25G (LONG)  
HOUSE BRACKET HB 25G (SHORT)  
BASE PLATE HINGE 25G  
BASE PLATE CONCRETE 25G  
MISC. CONCRETE ANCHORS  
TB 3 THRUST BEARING (HEAVY DUTY)  
CUSHCRAFT 432 20T 432MHZ DUAL POLARITY BEAM

CONTACT KEN, KL7JAI

## SOLUTION TO THE HIDDEN WORDS



HOPE YOU ENJOYED THIS LITTLE PUZZLE.  
IF YOU WOULD LIKE TO SUBMIT ONE OF  
THESE BRAINTEASERS FOR PUBLICATION  
BY ALL MEANS DO SO.....

73s FOR NOW  
BRYCE, AL7DL

MORE AUGUST WANT ADS.....

FOR SALE: ALPHA 76A AMPLIFIER (HF), 3 MONTHS USE, \$1500.00  
KENWOOD TS-120S \$450.00  
LARRY WALTER, KL7IWC

FOR SALE: ELEVEN TELETYPE CORP. MODEL 28 RO PRINTERS COMPLETE WITH POLAR RELAY PANELS. FOUR SPARE PAGE PRINTERS ON MODEL 59 DRAWERS WITH PAPER WINDERS. ALL HAVE WEATHER TYPE BOXES. EXCELLENT TO GOOD CONDITION. ALL OFFERS CONSIDERED  
R. L. SCHMEETS, KL7DGO, 248-0579

FOR SALE: KENWOOD TS-820S WITH XTAL CW FILTER \$750.00  
DAVE, KL7K OR PATTI KL7L AT 345-5744

FOR RENT: HOUSE WITH ANTENNA SYSTEM. I'M GOING TO ZL AND VK LAND,  
WOULD LIKE TO RENT MY 1600 SQ. FT. HOUSE FROM DECEMBER 1ST TO  
APRIL 1ST. INCLUDES 80 FOOT ROHN 45 TOWER WITH KLM KT 34XA  
TRIBAND BEAM AND 40 METER INVERTED "V". PETS AND CHILDREN  
CONSIDERED ON AN INDIVIDUAL BASIS. PLEASE CONTACT JIM MINTON,  
KL7JIJ FOR FURTHER DETAILS. 248-1965

HELP A HAM: IF YOU NEED TO BUY, SELL, OR TRADE A HOUSE, CABIN SITE, OR MOBILE HOME....CONTACT FRED. KL7HM AT 349-3668

LOOKING FOR SOMETHING, GOT SOMETHING FOR SALE OR TRADE????? WHY NOT LIST IT IN THE "ARC"??? ADS FOR MEMBERS ARE FREE. COMMERCIAL ADS GO FOR \$5.00 PER QUARTER PAGE (CAMERA READY, PLEASE). PLEASE SEND YOUR ADS DIRECTLY TO "YE ED" AND NOT TO THE CLUB P.O. BOX AS I MAY NOT GET THEM IN TIME.

"YE ED" CAN BE FOUND AT: 21-694 D APRICOT ST.  
ELMENDORF AFB, AK 99506  
TELEPHONE: 753-6395

ANCHORAGE AMATEUR RADIO CLUB, INC.  
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## ROSTER UPDATES FOR AUGUST 1982

All of you that have roster updates, remember to QRM the club phone and make our membership chairman (person??), April, AL7CV aware (please don't call "Ye Ed" with updates)

## ADDITIONS:

JAY IVAN JENNINGS, KL7JGU  
2847 E. 80TH ST.  
ANCHORAGE 99507  
344-6258 (H)

MARK J. KELLIHER  
SR 3001  
EAGLE RIVER, AK 99577  
694-3722(H) 269-1147(W)

SANDY HAUSER  
BOX 773  
ANCHORAGE 99510  
277-8615(W)

## CHANGES:

RAY YAKESH, WB7QYG  
P.O. BOX 15-000-42  
WASILLA, AK 99687

ROBERT HOLIFIELD, KL7WK  
P.O. BOX 1657  
SOLDATINA, AK 99669

MIKE PETERSON, KL7SR  
4012 SEACLIFF DR.  
CHESAPEAKE, VA.  
804-488-0713

ED PATTERSON KL7HP  
RT. 1 BOX 911  
KETCHIKAN, AK

# # # # # # # # # # # #  
SHORT.....

DID YOU KNOW THAT THE CLUB UHF REPEATER WAS BACK ON THE AIR?? THOSE OF YOU THAT HAVE UHF TRY CHECKING OUT THE CLUB MACHINE AT 449.7 in/444.7 out.....

在這裏，我們將會看到一個簡單的範例，說明如何使用 `PyTorch` 來訓練一個卷積神經網絡。

HOW'S YOUR OPERATING???????

Are there any DXers, Contesters, or Traffic Handlers out there that would like to spread their wealth of knowledge about their aspect of amateur radio around? I'm sure that there are many of us that could use some tips on operating practices, especially some of those that are new to the hobby.